

10/520367

Rec'd PCT/PTO 06 JAN 2005

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
15 January 2004 (15.01.2004)

PCT

(10) International Publication Number  
**WO 2004/004459 A1**

- (51) International Patent Classification<sup>7</sup>: **A01N 41/10 //**  
(A01N 41/10, 47:36, 43:42, 39:04, 25:32)
- (21) International Application Number:  
PCT/IB2003/003132
- (22) International Filing Date: 10 June 2003 (10.06.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
0215544.8 4 July 2002 (04.07.2002) GB
- (71) Applicant (for all designated States except US): SYN-  
GENTA PARTICIPATIONS AG [CH/CH]; Schwarzal-  
dallee 215, CH-4058 Basel (CH).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **THREEWIT**,  
Thomas, Buntin, Snr [US/US]; 410 Swing Road,  
Greensboro NC 27409 (US). **STAMM, Dennis, Eugene**  
[US/US]; 7755 Office Plaza Drive North, Suite 105, West  
Des Moines IA 50266 (US).
- (74) Agents: **SWIFT, Jane, Elizabeth** et al.; Intellectual  
Property Department, Syngenta Limited, P.O. Box 3538,  
Jealott's Hill Research Centre, Bracknell RG42 6YA (GB).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, MZ, NO, NZ, OM, PH, PI, PT, RO, RU, SC, SD, SE,  
SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,  
VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,  
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: WEED CONTROL PROCESS COMPRISING THE APPLICATION OF MESOTRIONE AND A SECOND HERBI-  
CIDE

(57) Abstract: A novel process for controlling weeds in a crop comprising sorghum, the process comprising the application of a herbicidally effective amount of: (i) mesotrione, and (ii) a second herbicide selected from one or more of prosulfuron, dicamba, 2, 4-D, halosulfuron-methyl and quinclorac to the locus of the weeds is disclosed.

WO 2004/004459 A1